

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF AN ADVANCE PEDESTRIAN CROSSING HAZARD IDENTIFICATION BEACON ON NORTHBOUND MD 75 APPROACHING ST. PETERS CHURCH IN FREDERICK COUNTY. MD 75 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE ADVANCE PEDESTRIAN CROSSING HAZARD IDENTIFICATION BEACON WILL BE PROGRAMMED TO FLASH AT TIMES OF ACTUAL NEED WHICH ARE AS FOLLOWS: FRIDAY, 5 PM - 8:30 PM; SATURDAY, 5 PM - 8 PM; SUNDAY 7 AM - 2PM; MONDAY 6:30 - 9 PM OR AS DIRECTED BY THE ENGINEER.

CONTROLLER REQUIREMENTS

INSTALL FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER, INTERSECTION MONITOR WITH BATTERY BACK-UP FOR PHONE DROP AND ASSOCIATED HARNESSSES HOUSED IN A NEMA SIZE "5" POLE MOUNTED CABINET.

SPECIAL NOTE

UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF SHA AT (410) 787-7635 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. SNYDER WITH THE NEAREST STREET ADDRESS, ZIP CODE AND PHONE NUMBER.

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.00 - 104.00-12

STANDARD NO. MD-104.31-01 (FLAGGING OPERATION)

STANDARD NO. MD-104.33-01 (SHOULDER WORK)

STANDARD NO. MD-104.35-01 (LANE SHIFT)

STANDARD NO. MD-104.32-02 (INTERSECTION FLAGGING OPERATION)

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. ROBERT FISHER DISTRICT ENGINEER PHONE: (301) 624-8140	MR. JOHN WRIGHT DISTRICT UTILITIES ENGINEER PHONE: (301) 624-8140
MR. JOHN CONCANNON ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: (301) 624-8141	MR. RICHARD L. DAFF, SR. CHIEF, TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630
MR. LEON KERNS ASSISTANT DISTRICT ENGINEER - MAINTENANCE PHONE: (301) 624-8140	

WIRING DIAGRAM

WIRING KEY

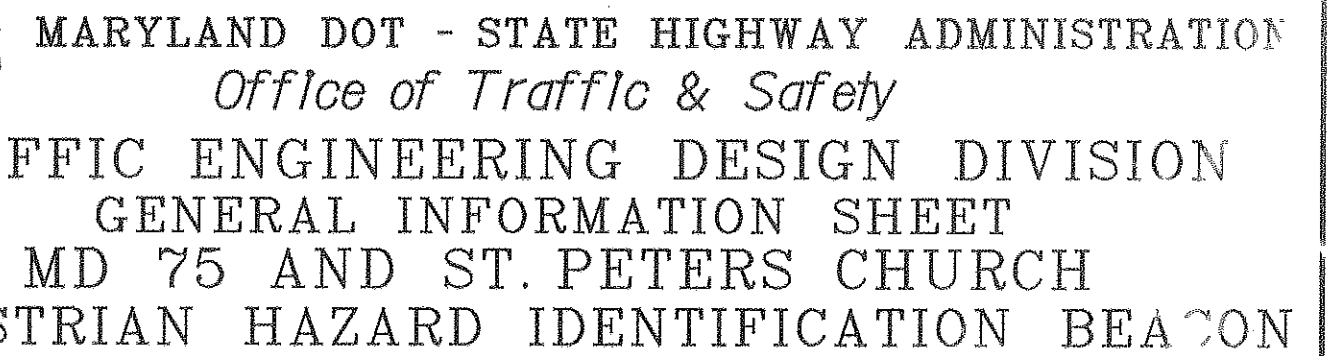
A
B
C } 3-CONDUCTOR ELECTRICAL
CABLE (NO. 14 A.W.G.)

C } 1-CONDUCTOR ELECTRICAL

<u>EQUIPMENT LIST "A"</u>		
A. EQUIPMENT TO BE SUPPLIED BY SHA		
<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>
9080	1 EACH	EIGHT-PHASE, FULL-TRAFFIC-ACTUATED CONTROLLER AND INTERSECTION MONITOR 11 WITH BATTERY BACK-UP FOR PHONE DROP HOUSED IN A NEMA SIZE "5" POLE MOUNTED CABINET.
9089	10 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF : - 1 EACH W11-2 SIGN (FYG/B) (30 IN. X 30 IN.) - 1 EACH "375 FT." (FYG/B) SIGN (36 IN. X 12 IN.)

<u>EQUIPMENT LIST "B"</u>		
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR		
<u>ITEM NO.</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>
1001	1 EACH	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
2001	1 C.Y.	TEST PIT EXCAVATION
8001	1 C.Y.	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8003	1 EACH	FURNISH AND INSTALL BREAKAWAY PEDESTAL POLE (ANY SIZE)
8019	1 EACH	INSTALL CONTROLLER AND CABINET - POLE MOUNT
8024	90 L.F.	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8027	70 L.F.	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8033	1 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8034	1 EACH	FURNISH AND INSTALL GROUND ROD - 3/4 IN. DIAMETER X 10 FT. LENGTH
8043	80 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 3 CONDUCTOR (NO. 14 A.W.G.)
8047	45 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE 1-CONDUCTOR NO. 8 A.W.G. - THHN/THWN

Whitman, Requardt
and Associates, LLP
2315 Saint Paul Street
Baltimore, Maryland 21218
(410) 235-3450



F.A.P. NO.	
S.H.A. NO.	IR360A57/B57
COUNTY:	FREDERICK
LOG MILE:	10035015.45

TS NO. <u>3995</u>	SHEET NO.
T.I.M.S. NO. D646	2 OF 2